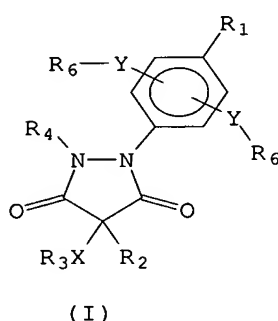


This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

[[1]]1(currently amended). An optionally substituted compound of the formula I or a salt thereof;

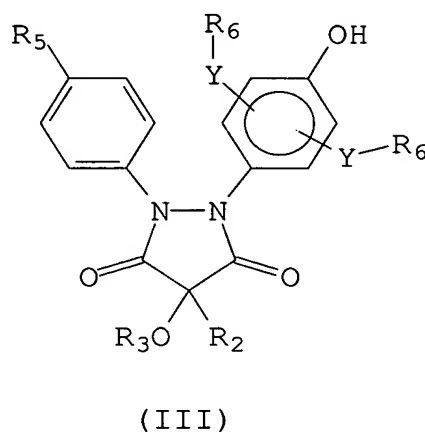


wherein R<sub>1</sub> is O or S, R<sub>2</sub> is hydrogen or more preferably an C<sub>1</sub>-C<sub>10</sub> organic group attached by a carbon atom, X is H, O, OO, S or SS R<sub>3</sub> is absent where X=H, is hydrogen or is a hydroxyl or thiol protecting group, R<sub>4</sub> is a hetero- or preferably homo-cyclic aryl group, optionally substituted with a further group R<sub>5</sub> one Y group is S and the other is either H (in which case only one R<sub>6</sub> group is present) or S; and R<sub>6</sub> is, independently, an organic group of molecular weight up to around 500 amu.

[[2]]2(currently amended). A compound as claimed in claim 1 wherein R<sub>2</sub> is an optionally substituted alkyl, alkenyl, alkynyl, alkaryl, aralkyl, arylsulphonylalkyl or aralkenyl group, R<sub>3</sub> is hydrogen or a C<sub>2</sub>-C<sub>7</sub>, acyl, or alkaryl group, R<sub>5</sub> is an alkyl, alkenyl, alkynyl, OH, O-alkyl, thio, thioalkyl, halo, or primary, secondary, tertiary or quaternary amino group and R<sub>6</sub> is a substituted or unsubstituted alkyl, alkenyl, alkynyl, alkaryl, aralkyl, alkyl ester, alkyl amide, alkyl acid, polyol, sugar, oligo(alkylamide), oligo(alkylester), or oligopeptide group.

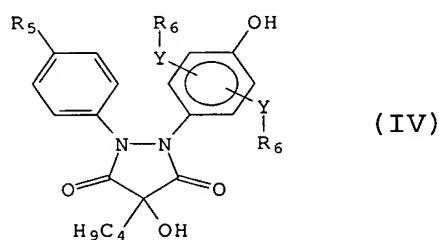


~~[[3]]3(currently amended).~~ A compound as claimed in claim 1 ~~or claim 2~~ of formula III;



wherein Y, R<sub>2</sub> and R<sub>3</sub> are as described in claim 1 or claim 2 and R<sub>5</sub> is hydrogen or an alkyl, alkenyl group, OH, O-alkyl, O-acyl, SH, S-alkyl, S-acyl, halo, or amino group.

~~[[4]]4(currently amended).~~ A compound as claimed in ~~any of claims 1 to 3~~ claim 1 of formula IV, or a salt thereof;



wherein R<sub>5</sub> is hydrogen or OH and each R<sub>6</sub> is, independently, a cysteine or a glutathione moiety attached via the sulphur atom thereof.

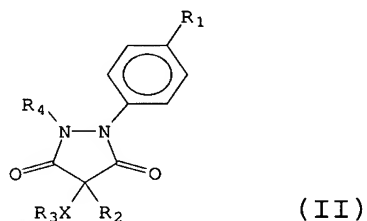
~~[[5]]5(currently amended).~~ A compound as claimed in ~~any of claims 1 to 4~~ claim 1 wherein both Y-R<sub>6</sub> groups are S-R<sub>6</sub>.



~~[[6]]6(currently amended).~~ A compound of ~~any of claims 1 to 5~~ claim 1 wherein the two Y groups are ortho to group R<sub>1</sub>.

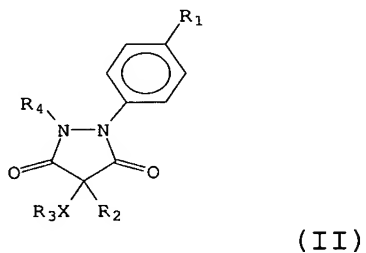
~~[[7]]7(currently amended).~~ A compound of ~~any of claims 1 to 5~~ claim 1 wherein one Y group is ortho to group R<sub>1</sub> and one Y group is meta to group R<sub>1</sub>.

~~[[8]]8(currently amended).~~ A compound formed by reaction of a thiol (R<sub>6</sub>-SH) with a starting material of formula II



Wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>6</sub> and X are as defined in ~~any of claims 1 to 4~~ claim 1, or protected derivatives or precursors thereof.

~~[[9]]9(currently amended).~~ A method for the synthesis of a compound of ~~any of claims 1 to 7~~ claim 1, said method comprising reaction of a thiol (R<sub>6</sub>-SH) with a starting material of formula II





Wherein  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_6$  and X are as defined in ~~any of claims 1 to 4~~claim 1, or protected derivatives or precursors thereof.

~~[[10]]~~10(currently amended). A method of treatment of a mammalian subject comprising administering a compound as claimed in ~~any of claims 1 to 8~~claim 1.

~~[[11]]~~11(currently amended). A method for the for treatment, prevention or control of a viral, autoimmune, neoplastic, inflammatory and/or allergic condition, said method comprising administration of a compound as claimed in ~~any of claims 1 to 8~~claim 1.

~~[[12]]~~12(currently amended). A method of tonic treatment of an aging mammalian subject, or a subject suffering from the aftereffects of infection, disease or treatment, said method comprising administration of a compound as claimed in ~~any of claims 1 to 8~~claim 1.

~~[[13]]~~13(currently amended). A compound as claimed in ~~any of claims 1 to 8~~claim 1 for use in therapy.

~~[[14]]~~14(currently amended). The use of a compound as claimed in ~~any of claims 1 to 8~~claim 1 in the manufacture of a medicament ~~for use in a method as claimed in any of claims 10 to 12~~.

~~[[15]]~~15(currently amended). A pharmaceutical composition comprising a compound as claimed in ~~any of claims 1 to 8~~claim 1 and at least one pharmaceutically acceptable excipient, carrier or diluent.

~~[[16]]~~16(currently amended). A functional or fortified food comprising a compound as claimed in ~~any of claims 1 to 8~~claim 1 formulated in an edible food or potable beverage product.